

Converting Colors

XYZ(77.4762, 80.3533, 92.9985)

Have a look what the booklet for
XYZ(77.4762, 80.3533, 92.9985)
contains.

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Color

**XYZ(77.4811, 80.1493,
93.0480)**

Conversions

Conversions Part 1

Format	Color
Hex	E9E6EF
RGB	233, 230, 239
RGB Percent	91%, 90%, 94%
CMY	0.0863, 0.0980, 0.0627
CMYK	0.03, 0.04, 0.00, 0.06
HSL	260°, 22%, 92%
HSV	260°, 4%, 94%
XYZ	77.4811, 80.1493, 93.0480
YIQ	231.9230, -1.1010, 3.4350

Conversions

Conversions Part 2

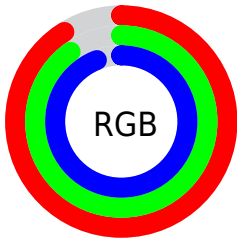
Format	Color
R _Y B	233, 230, 239
Decimal	15329007
CIE Lab	91.75, 2.63, -4.01
CIE LCh	92, 4.799, 303.239
Yxy	80.1493, 0.3091, 0.3197
Android (android.graphics.Color)	4293519087 (0xFFE9E6EF)
YUV	231.9230, 3.4890, 0.9445
Hunter-Lab	89.5261, -2.1865, 1.0459

Details

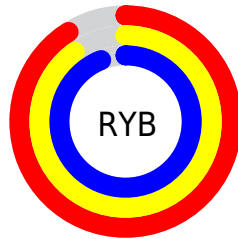
The XYZ color **77.4811, 80.1493, 93.0480** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **79.7445, 85.2812, 87.1249**, and the grayscale version is **76.6215, 80.6118, 87.7862**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **42.0087, 43.4260, 50.9677** is the 20% darker color. If you saturate the color by 10%, you get **66.3105, 65.1866, 90.7499**, and if you desaturate by 10%, it is **90.0383, 97.1849, 95.6756**.

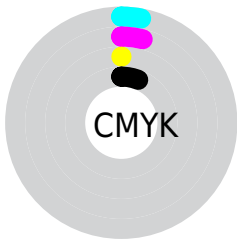
Distribution



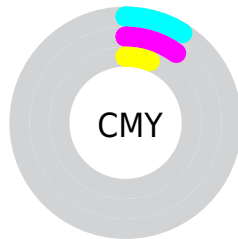
- Red (91%)
- Green (90%)
- Blue (94%)



- Red (91%)
- Yellow (90%)
- Blue (94%)



- Cyan (3%)
- Magenta (4%)
- Yellow (0%)
- Black (6%)



- Cyan (9%)
- Magenta (10%)
- Yellow (6%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 77.4811, 80.1493, 93.0480 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.

Similar to the brightness gradients but the following saturation gradients show a change of the XYZ color 77.4811, 80.1493, 93.0480 by changing the saturation by 10% instead.

■ 77.4811, 80.1493,
93.0480

■ 77.4811, 80.1493,
93.0480

475.2696,
495.4358, 558.7207

■ 57.9491, 59.8412,
69.9235

128.7876,
133.5756, 153.5373

■ 42.0108, 43.2907,
50.9878

161.2929,
167.4626, 191.7393

■ 29.3009, 30.1132,
35.8222

198.8533,
206.6448, 235.8041

■ 19.4540, 19.9246,
24.0083

241.8341,
251.5064, 286.1504

■ 12.1047, 12.3402,
15.1275

290.6008,
302.4319, 343.1967

■ 6.8878, 6.9758,
8.7613

345.5188,

■ 3.4377, 3.4470,

359.8058, 407.3614

4.4911

406.9532,
424.0123, 479.0633

■ 1.3892, 1.3693,
1.8985

■ 0.2485, 0.1939,
0.4918

■ 77.4811, 80.1493,
93.0480

■ 77.4811, 80.1493,
93.0480

■ 66.3105, 65.1866,
90.7499

■ 90.0383, 97.1849,
95.6756

■ 56.4703, 52.2065,
88.7631

■ 92.5802, 99.0121,
95.8943

■ 47.9106, 41.1269,
87.0757

■ 40.5754, 31.8562,
85.6728

■ 34.4046, 24.2949,
84.5386

■ 29.3324, 18.3336,
83.6553

■ 25.2857, 13.8499,
83.0031

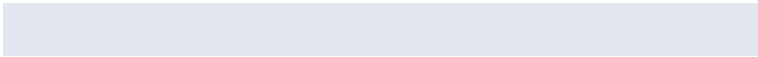
■ 22.1817, 10.7028,
82.5593

■ 19.9216, 8.7218,
82.2960

Harmonies

Analogous

The Analogous color harmony consists of three colors that are next to each other on the color wheel.



76.3130, 80.1493, 94.1961



77.4811, 80.1493, 93.0480



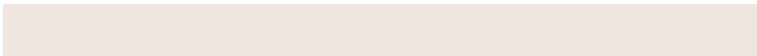
78.3073, 80.1493, 90.3494

Triad

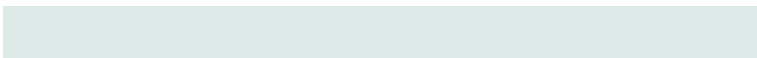
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



77.4811, 80.1493, 93.0480



77.2476, 80.1493, 81.3691



73.8463, 80.1493, 87.6516

Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



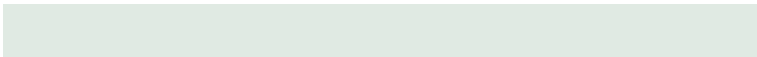
77.4811, 80.1493, 93.0480



79.7445, 85.2812, 87.1249

Split Complementary

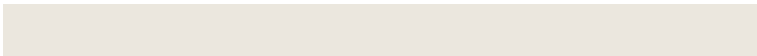
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



74.0906, 80.1493, 84.2593



77.4811, 80.1493, 93.0480



76.0462, 80.1493, 80.6900

Square

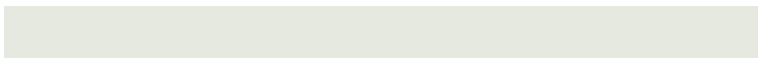
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



77.4811, 80.1493, 93.0480



78.1715, 80.1493, 83.6146



74.8926, 80.1493, 81.7343



74.2216, 80.1493, 91.0283

Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



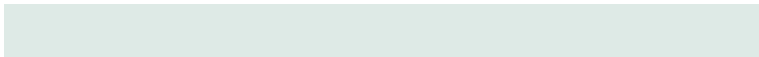
77.4811, 80.1493, 93.0480



78.5484, 80.1493, 88.0675



74.8926, 80.1493, 81.7343



73.8587, 80.1493, 86.4752

Sweetspot

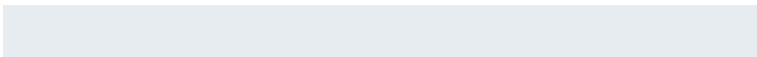
The Sweet Spot groups the original color and five complimentary colors.



77.4834, 80.1527, 93.0498



93.6190, 98.0627, 108.6015



78.2546, 83.1349, 93.5847



20.0534, 21.0099, 23.2483



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



77.4834, 80.1527, 93.0498



88.0570, 90.5559, 107.4457



78.9214, 80.8940, 93.1170



16.3256, 16.7352, 20.0914



10.5435, 4.4408, 45.4293



0.9787, 0.4218, 3.7840

Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



79.0366, 81.0041, 90.8307



90.4403, 91.8627, 104.0278



78.3174, 84.5455, 87.0581



16.8298, 17.0117, 19.3668



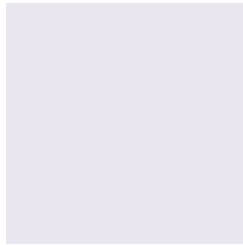
23.2123, 11.5574, 19.5665



1.9770, 0.9798, 1.8696

Previews

White Background



This preview shows how the XYZ color 77.4811, 80.1493, 93.0480 looks on a white background.

Color Contrast Check

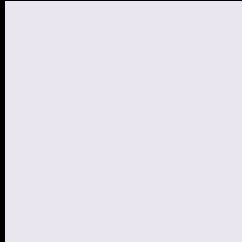
Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the XYZ color 77.4811, 80.1493, 93.0480 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

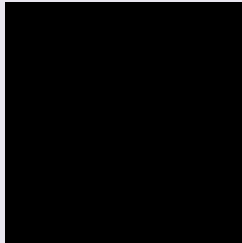
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

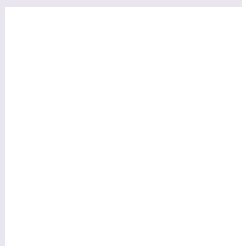
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 77.4811, 80.1493, 93.0480

Background



This preview shows how black text looks on a background with the XYZ color 77.4811, 80.1493, 93.0480.



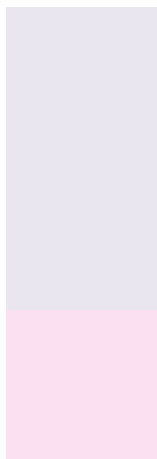
This preview shows how white text looks on a background with the XYZ color 77.4811, 80.1493,

93.0480.

Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



Original Color

77.4811, 80.1493, 93.0480

Protanopia

77.4811, 80.1493, 93.0480

Deuteranopia

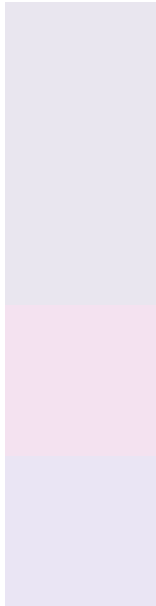
81.8082, 79.9266, 93.5537



Tritanopia

78.7395, 80.2464, 99.3348

Trichromacy



Original Color

77.4811, 80.1493, 93.0480

Protanomaly

77.4811, 80.1493, 93.0480

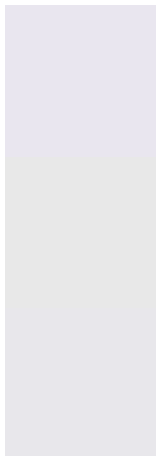
Deuteranomaly

80.2328, 79.9171, 93.6349

Tritanomaly

78.2801, 80.0627, 96.9158

Monochromacy



Original Color

77.4811, 80.1493, 93.0480

Achromatopsia

76.7008, 80.6952, 87.8771

Achromatomaly

76.8500, 80.3058, 90.0474

CSS Examples

Text

The CSS property to change the color of the text to XYZ 77.4811, 80.1493, 93.0480 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color rgb(233, 230, 239) looks like.

```
.text, #text, p{  
    color:rgb(233, 230, 239)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(233, 230, 239) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(233, 230, 239) }
```

Border

The CSS property to change the border of an element to XYZ 77.4811, 80.1493, 93.0480 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(233, 230, 239) }
```


If only the border color should be changed use the property `border-color`.

```
.border{ border-color:rgb(233, 230, 239) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel `rgb(233, 230, 239)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(233, 230, 239); -webkit-box-  
shadow:4px 4px 4px 4px rgb(233, 230, 239);  
box-shadow:4px 4px 4px 4px rgb(233, 230,  
239) }
```

Background

The CSS property to change the background color of an element to XYZ 77.4811, 80.1493, 93.0480 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(233, 230, 239) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(233,  
230, 239) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

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